



PCT09

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/673,617

DATE: 02/15/2002
TIME: 15:22:00

Input Set : A:\30307191.app
Output Set: N:\CRF3\02152002\I673617.raw

ENTERED

3 <110> APPLICANT: SORENSEN, KIM
4 LARSEN, RASMUS
5 JOHANSEN, ERIC
7 <120> TITLE OF INVENTION: FOOD-GRADE CLONING VECTOR AND THEIR USE IN LACTIC ACID
8 BACTERIA
10 <130> FILE REFERENCE: 030307-0191
12 <140> CURRENT APPLICATION NUMBER: 09/673,617
13 <141> CURRENT FILING DATE: 2001-01-25
15 <150> PRIOR APPLICATION NUMBER: PCT/DK99/00209
16 <151> PRIOR FILING DATE: 1999-04-14
18 <150> PRIOR APPLICATION NUMBER: 60/082,555
19 <151> PRIOR FILING DATE: 1998-04-21
21 <150> PRIOR APPLICATION NUMBER: DK 0551/98
22 <151> PRIOR FILING DATE: 1998-04-21
24 <160> NUMBER OF SEQ ID NOS: 28
26 <170> SOFTWARE: PatentIn Ver. 2.1
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31 <213> ORGANISM: Artificial Sequence
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34 <223> OTHER INFORMATION: Description of Artificial Sequence: DNA sequence
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39 gcaggggttc aaatccctt gactcctta 89
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44 <212> TYPE: DNA
45 <213> ORGANISM: Artificial Sequence
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48 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer
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56 <212> TYPE: DNA
57 <213> ORGANISM: Artificial Sequence
59 <220> FEATURE:
60 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer
62 <400> SEQUENCE: 3
63 cgggatcctt tcaggaaggt aattaac 27
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80 <212> TYPE: DNA
81 <213> ORGANISM: Artificial Sequence
83 <220> FEATURE:
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90 <210> SEQ ID NO: 6
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93 <213> ORGANISM: Artificial Sequence
95 <220> FEATURE:
96 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer
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105 <213> ORGANISM: Artificial Sequence
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123 <221> NAME/KEY: modified_base
124 <222> LOCATION: (11)
125 <223> OTHER INFORMATION: a, t, c, g, other or unknown
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129 <222> LOCATION: (14) /
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134 <222> LOCATION: (17)
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 138 <221> NAME/KEY: modified_base
 139 <222> LOCATION: (20)
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 165 tggacgaatt ccngngnt 18
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 170 <212> TYPE: DNA
 171 <213> ORGANISM: Artificial Sequence
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 183 <213> ORGANISM: Artificial Sequence
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 194 <212> TYPE: DNA
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 201 ggtcgccttt acttgcacc 19
 204 <210> SEQ ID NO: 13
 205 <211> LENGTH: 20
 206 <212> TYPE: DNA

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207 <213> ORGANISM: Artificial Sequence
 209 <220> FEATURE:
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 226 <222> LOCATION: (24)
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 250 <210> SEQ ID NO: 16
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 259 cctcaacacca ggagaaaatt atgc 24
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 265 <213> ORGANISM: Artificial Sequence
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 275 <211> LENGTH: 22
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 277 <213> ORGANISM: Artificial Sequence

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279 <220> FEATURE:
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 282 <400> SEQUENCE: 18
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 288 <212> TYPE: DNA
 289 <213> ORGANISM: Artificial Sequence
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 301 <213> ORGANISM: Lactococcus lactis
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 323 <210> SEQ ID NO: 22
 324 <211> LENGTH: 36
 325 <212> TYPE: DNA
 326 <213> ORGANISM: Lactococcus lactis
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 329 <221> NAME/KEY: CDS
 330 <222> LOCATION: (1)..(18)
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 333 aca caa tta acc tca acc taggagaaaa ttatgcaa 36
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 338 <210> SEQ ID NO: 23
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 340 <212> TYPE: DNA
 341 <213> ORGANISM: Lactococcus lactis
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 345 <222> LOCATION: (224)..(934)
 347 <400> SEQUENCE: 23

VERIFICATION SUMMARY

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L:247 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15